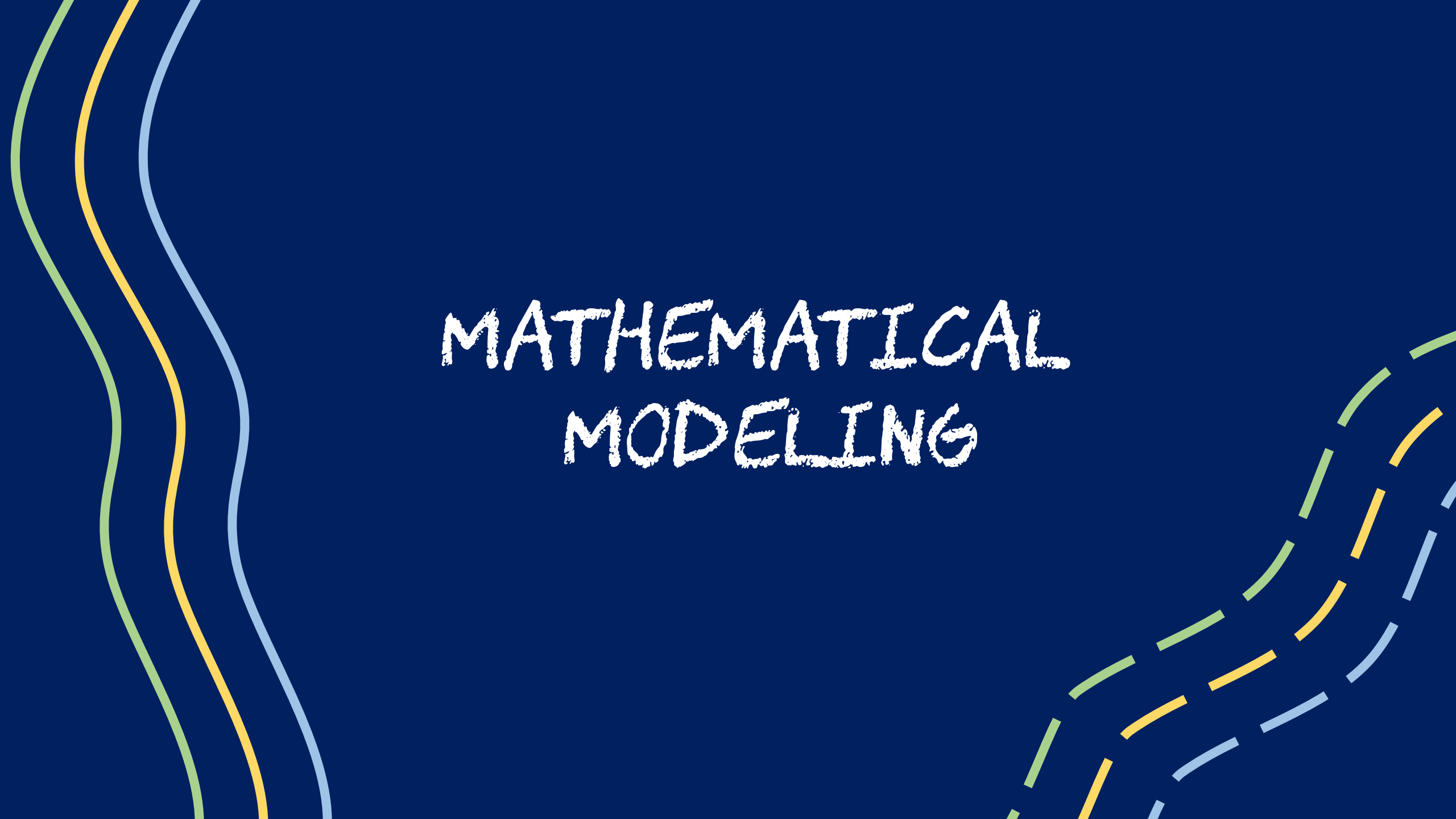


The background is a solid dark blue. On the left side, there are three solid, wavy lines in light green, yellow, and light blue, flowing from the top left towards the bottom. On the right side, there are three dashed, wavy lines in the same color palette (light green, yellow, and light blue), flowing from the bottom right towards the top.

MATHEMATICAL MODELING

Mathematical method

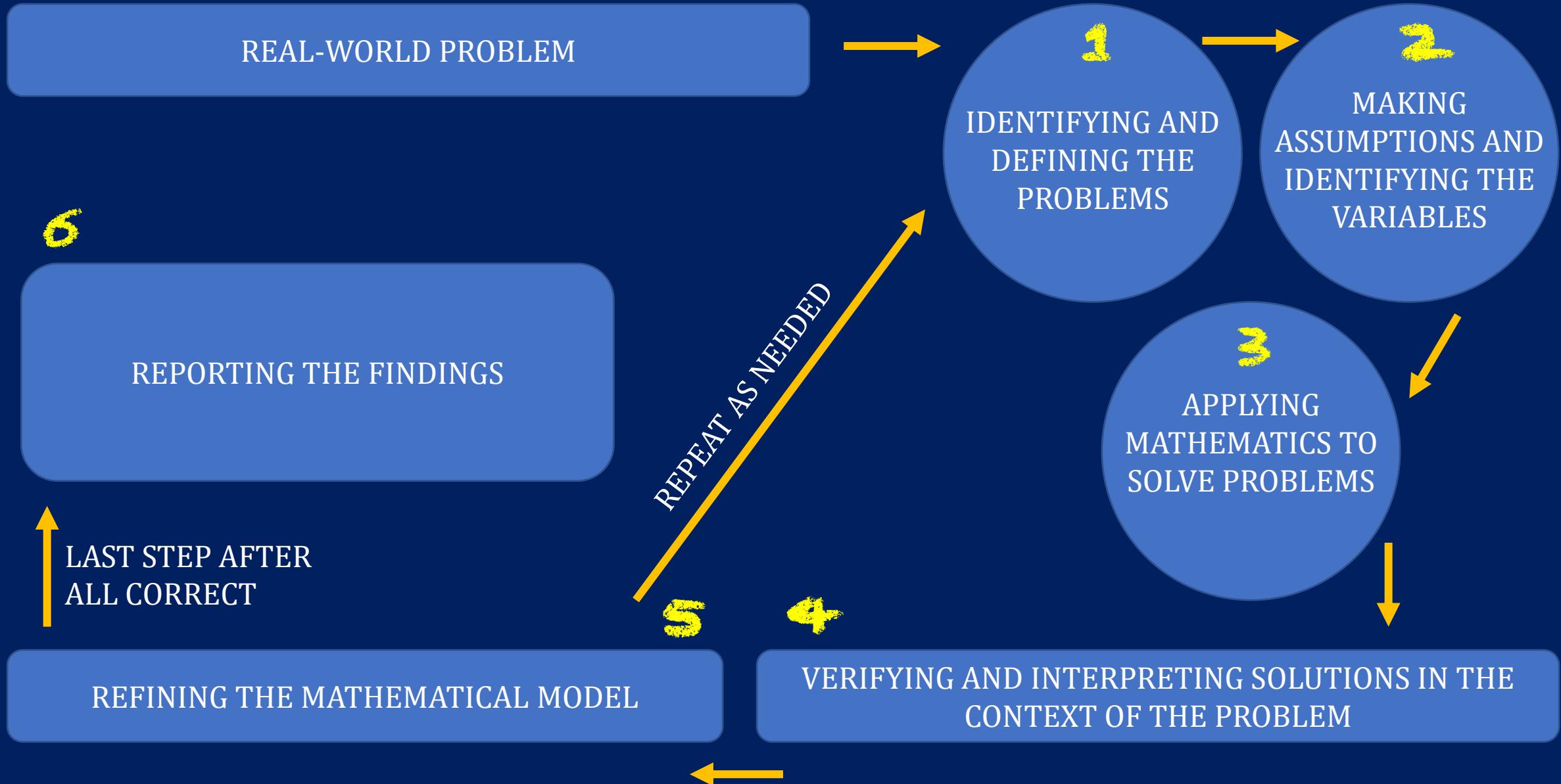
- a mathematical relation that describes the real world situation.
- Example : $I = Prt$ (relation between simple interest and other 3 quantities, the principal, the interest rate and the time)

Process of constructing mathematical models (**MATHEMATICAL MODELING**)

Real-world problem → mathematical problem

A representation of a system or scenario that is used to gain qualitative and/or quantitative understanding of some real-world problem and to predict future behaviour.

COMPONENTS IN MATHEMATICAL MODELING





THANK YOU